

DECLARATION (37 CFR 1.63) AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Novel Compounds with analgesic effect, the specification of which

☐ is attached hereto.

☐ was filed on as Application No. and was amended on .

☒ was filed on 09 December 1997 as PCT International Application No. PCT/SE97/02051 and was amended under PCT Article 19 on , if applicable.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119, of any foreign application(s) for patent or inventor's certificate or of any PCT International Application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International Application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application on which priority is claimed:

<u>Application Serial No.</u>	<u>Country</u>	<u>Filing Date (Day/Month/Year)</u>	<u>Priority Claimed (Yes/No)</u>
9604786-5	Sweden	20 December 1996	Yes

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT International Application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application

Serial No.

Filing Date

Status (Patented,

Pending, Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Robert A. Armitage (Registration No. 27,417), Rodney M. Anderson (Registration No. 31,939), Steven R. Borgman (Registration No. 33,160), Valerie S. Boutwell (Registration No. 36,754), W. Scott Brown (Registration No. 32,968), Leslie J. Clark (Registration No. 34,800), Laura A. Crowe (Registration No. 35,850), G. Harvey Dunn, III (Registration No. 31,102), Barry E. Engel (Registration No. P-37,127), A.H. Evans (Registration No. 22,032), Kevin M. Hart (Registration No. 36,823), William L. LaFuze (Registration No. 27,205), Stephen L. Levine (Registration No. 33,413), Alan W. Lintel (Registration No. 32,478), J. Clark Martin (Registration No. 26,198), Peter E. Mims (Registration No. 32,429), W. Ronald Robins (Registration No. 26,222), Michael A. Sanzo (Registration No. 36,912), Jerry R. Selinger (Registration No. 26,582), Jack R. Springgate (Registration No. 17,385), Alan R. Thiele (Registration No. 30,694), Darrell E. Warner (Registration No. 36,046), and Karen Tucker White (Registration No. 34,267), all registered to practice before the Patent and Trademark Office as my attorneys with full power of substitution and revocation to prosecute this application and all divisions and continuations thereof and to transact all business in the Patent and Trademark Office connected therewith and request that all correspondence and telephone communications be directed to the following person(s) at the mailing address and telephone number hereafter given:

Name	:	Robert A. Armitage
Registration No.	:	27,417
Address	:	Vinson & Elkins L.L.P.; Suite 800 1455 Pennsylvania Avenue, N.W. Washington, D.C. 20004-1008
Telephone No.	:	(202) 639-6692

Inventor's Signature Benjamin Pelcman Date 17 December 1997

Full name of first inventor: Benjamin Pelcman

Residence: Stockholm, Sweden

Citizenship: Swedish

Post Office Address: Döbelnsgatan 93, S-113 52 Stockholm, Sweden

Inventor's Signature Edward Roberts Date 23rd January 1997

Full name of second joint inventor: Edward Roberts

Residence: St. Lazare de Vaudreuil, Canada

Citizenship: British

Post Office Address: 2541 Chestnut Circle, St. Lazare de Vaudreuil, Québec, Canada J7T 2A1



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 22, 2003

PTAS

FITCH, EVEN, TABIN & FLANNERY
MICHAEL A. SANZO
1801 K STREET, N.W.
SUITE 401L
WASHINGTON, D.C. 20006-1201

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/21/2003

REEL/FRAME: 013673/0318

NUMBER OF PAGES: 5

BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ASTRA PHARMA INC.

DOC DATE: 12/22/1999

ASSIGNEE:

ASTRAZENECA CANADA INC.
1004 MIDDLEGATE ROAD
MISSISSAUGA, ONTARIO L4Y 1M4,
CANADA

SERIAL NUMBER: 10121683

FILING DATE: 04/15/2002

PATENT NUMBER:

ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

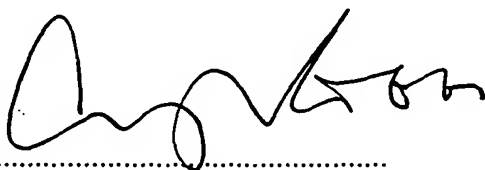
05/21/2003
700031157

FORM PTO-1594 (Rev. 6-82)		RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE	
USPTO No. 9452-8831 (imp. 4/94)		PATENTS ONLY		Patents and Trademarks Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): <u>Astra Pharma Inc.</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>AstraZeneca Canada Inc.</u> Internal Address: _____ Street Address: <u>1004 Middlegate Road</u> City/State/ZIP: <u>Mississauga, Ontario L4Y 1M4</u> <u>CANADA</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input type="checkbox"/> Assignment <input checked="" type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>December 22, 1999</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>10/121,683</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Michael A. Sanzo</u> Internal Address: _____ Street Address: <u>Fitch, Even, Tabin & Flannery</u> <u>1801 K Street, N.W.</u> <u>Suite 401L</u> City/State/ZIP: <u>Washington, D.C. 20006-1201</u>		6. Total number of applications and patents involved: 1 7. Total Fee (37 C.F.R. § 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>06-1135 Under Order No. 7567/73366</u> <small>(Insert duplicate copy of this page if paying by deposit account)</small>			
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <u>Michael A. Sanzo</u> <u>Michael A. Sanzo</u> <u>May 21, 2003</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 5					

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

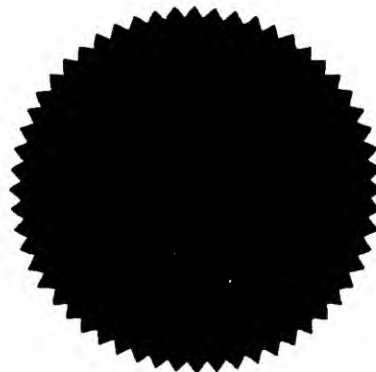
FORM 6-03.WP3

I **ANTHONY JANION GIBBS** of Wilmslow, Cheshire, England, Notary Public duly authorised admitted and sworn and practising within the United Kingdom of Great Britain and Northern Ireland **do hereby certify** that the photostat matter hereto annexed is a true copy of a document the original of which was produced to me at Macclesfield, Cheshire, England, this 22nd day of June in the year two thousand.



.....
Anthony Janion Gibbs

Notary Public



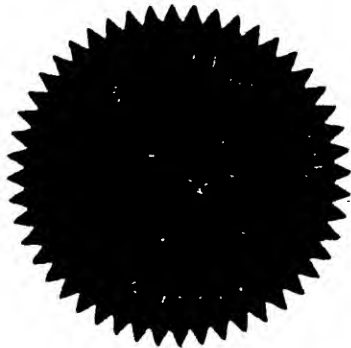
CANADA)
)
PROVINCE OF ONTARIO)
)
CITY OF TORONTO)
)
TO WIT:)

I, STEPHEN DOUGLAS BODLEY, a Notary Public in and for the Province of Ontario, by Royal Authority duly appointed, residing in the City of Toronto in the said Province DO HEREBY CERTIFY that the paper writing hereto annexed, the first page of which is stamped with an impression of my seal, is a true and correct photostatic copy of documents produced and shown to me out of custody of Blake, Cassels & Graydon LLP, Toronto, Ontario and purporting to be the original Certificate and Articles of Amendment of **ASTRAZENECA CANADA INC.** issued by the Ministry of Consumer and Commercial Relations and dated December 31, 1999, the said photostatic copy having been compared by me, page for page, with the said original documents, an act whereof being requested I have granted the same under my hand and notarial seal of office to serve and avail as occasion shall or may require.

DATED at Toronto this *13th* day of *March*, 2000.



A Notary Public in and for
the Province of Ontario





Ministry of
Consumer and
Commercial Relations

Ministère de
la Consommation
et du Commerce

CERTIFICATE

This is to certify that these
articles are effective on

CERTIFICAT

**Ceci certifie que les présents
statuts entrent en vigueur le**

DECEMBER 31 DÉCEMBRE, 1999

Sam D. Ellis

Director / Directeur
Business Corporations Act / Loi sur les sociétés par actions

ARTICLES OF AMENDMENT
STATUTS DE MODIFICATION

Form 3
Business
Incorporations
Act

Formule 3 xi sur les sociétés par actions

1. The name of the corporation is: *Dénomination sociale de la société:*

[illegible]

2. The name of the corporation is changed to (if applicable): *Nouvelle dénomination sociale de la société (s'il y a lieu):*

[illegible]

3. **Date of incorporation/amalgamation:** *Date de la constitution ou de la fusion:*

1954 JUNE 28

(Year, Month, Day)
(année, mois, jour)

4. The articles of the corporation are amended as follows: *Les statuts de la société sont modifiés de la façon suivante.*

To change the name of the Corporation to:

ASTRAZENECA CANADA INC.

5. The amendment has been duly authorized as required by Sections 168 & 170 (as applicable) of the Business Corporations Act.

La modification a été dûment autorisée conformément aux articles 168 et 170 (selon le cas) de la Loi sur les sociétés par actions.

6. The resolution authorizing the amendment was approved by the shareholders/directors (as applicable) of the corporation on

Les actionnaires ou les administrateurs (selon le cas) de la société ont approuvé la résolution autorisant la modification le

1999 DECEMBER 22

(Year, Month, Day)
(année, mois, jour)

These articles are signed in duplicate.

Les présents statuts sont signés en double exemplaire.

ASTRA PHARMA INC.

(Name of Corporation)
(Dénomination sociale de la société)

By:/Par:

J. N. S. O. G.

(Signature)
(Signature)

President

(Description of Office)
(Fonction)

JUNE 13, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

PILLSBURY WINTHROP LLP
MICHAEL A. SANZO
1600 TYSONS BOULEVARD
MCLEAN, VA 22102



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RECORDATION DATE: 04/15/2002

REEL/FRAME: 012796/0020
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
PELCMAN, BENJAMIN

DOC DATE: 12/17/1997

ASSIGNOR:
ROBERTS, EDWARD

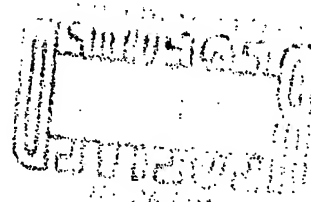
DOC DATE: 01/23/1998

ASSIGNEE:
ASTRA PHARMA INC.
1004 MIDDLEGATE ROAD
MISSISSAUGA, ONTARIO L4Y 1M4,
CANADA

SERIAL NUMBER: 10121683
PATENT NUMBER:

FILING DATE: 04/15/2002
ISSUE DATE:

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



04-19-2002



DET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

102060897

To the Honorable Commissioner of Patents and Trademarks, attached original documents or copy thereof.

1. Name of conveying party(ies):

Benjamin Pelcman and Edward Roberts

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Astra Pharma Inc.

Internal Address: _____

Street Address: 1004 Middlegate RoadCity/State/ZIP: Mississauga, Ontario L4Y 1M4CANADAAdditional name(s) & address(es)
attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: December 17, 1997 and January 23, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Divisional of 09/645,565 filed herewith

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Sanzo

Internal Address: _____

Street Address: Pillsbury Winthrop LLP
1600 Tysons BoulevardCity/State/ZIP: McLean, VA 22102

6. Total number of applications and patents involved:

1

7. Total Fee (37 C.F.R. § 3.41) \$ 40.00

- ☒ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

03-3975 - to be used only if fee is not enclosed

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Michael A. Sanzo
Name of Person SigningMichael A. Sanzo April 15, 2002
Signature Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:
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 Washington, D.C. 20231

FORM6-03.WP5

4/17/2002 WABDELRI 00000038 10121683

3 FC:581

40.00 DP

ASSIGNMENT TO ASTRA PHARMA INC.

Title: Novel compounds with analgesic effect
Inventors: Benjamin Pelcman and Edward Roberts
PCT Appl. No: PCT/SE97/02051
Intn'l Filing Date: 09 December 1997
Execution Date of Application:

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt thereof is hereby acknowledged, I do hereby assign and transfer unto ASTRA PHARMA INC., a corporation of Canada having a place of business at 1004 Middlegate Road, MISSISSAUGA, Ontario L4Y 1M4, Canada, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to ASTRA PHARMA INC., its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to ASTRA PHARMA INC., or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to ASTRA PHARMA INC.; make all rightful oaths; and generally do everything possible to aid ASTRA PHARMA INC., its successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

FULL NAME OF FIRST INVENTOR: Benjamin Pelcman

Signature of Inventor: Benjamin Pelcman

Address: Döbelnsgatan 93, S-113 52 Stockholm, Sweden

Date: 17 December 1997

FULL NAME OF SECOND/JOINT INVENTOR: Edward Roberts

Signature of Inventor: Edward Roberts

Address: 2541 Chestnut Circle, St. Lazare de Vaudreuil, Québec, Canada J7T 2A1

Date: 23rd January 1998